

1 **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2 Serial No. 10/628,729
3 Filing Date 7/28/2003
4 Confirmation No. 4013
5 Inventorship Anne Kirsten Eisentraeger
6 Applicant Microsoft Corporation
7 Examiner
8 Attorney's Docket No. MS1-1280US
9 Title: Improved Tate Pairing Techniques for use with Hyperelliptic Curves
10

11 **INFORMATION DISCLOSURE STATEMENT**

12 *References -- See Attached Form PTO-1449*

13 **REMARKS**

14 The citations listed are submitted in compliance with the duty of disclosure
15 defined in 37 CFR §1.56. The Examiner is requested to make these citations of
16 official record in this application.
17

18 Respectfully Submitted,

19 Date: 1/17/2006

20 By: David M. Huntley
21 David M. Huntley
22 Reg. No. 40309
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10628729
Filing Date	2003-07-28
First Named Inventor	Anne Kirsten Eisentraeger
Art Unit	
Examiner Name	
Attorney Docket Number	MS1-1280US

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
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U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20030081785	A1	2003-05-01	Boneh, et al.	
	2	20030182554	A1	2003-09-25	Gentry, et al.	

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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	Frey, et al., "The Tate Pairing and the Discrete Logarithm Applied to Elliptic Curve Cryptosystems," IEEE Transactions on Information Theory, Vol. 45, No. 5, July 1999, pp. 1717-1719.	<input type="checkbox"/>
	2	Manoharmayum, "On the Modularity of Certain GL2 (F7) Galois Representations," Mathematical Research Letters 8, pp. 703-712 (2001).	<input type="checkbox"/>

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EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☒ None

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**